W	ork	Ordei	· ID	106236
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Tem ID: D4121-3	Work Orde		6236		*106	3236*	-					- Fig.	Page	1
Stop   *N.S.2 *   Start Date:   8/28/13   Start Qty: 4.00   *4 *   Cust Item ID:		D4121-3			Accept	*N900	<b>040</b>	100	)* s	Setup St	art 1	*NS	31*	
Required Date: 8/28/13 Req'd Qty: 4.00 *4 * Customer:  Reference:  Approvals: Process Plan: MLT Date: /3-0830 Tooling: Date: SPC (Y/N): SPC (Y/N): Date: SPC (Y		HOSE ASSY					·			St	top 7	*N:	32*	
Reference:  Approvals: Process Plan: MCJ Date: /3-0830 Tooling: Date: Stop ** NR 1**  QC: Date: SPC (Y/N): Date: ** * NR 1**  Sequence ID/ Operation Set Up/ Run Hours ** Code Qty Qty Qty Number Stamp*  Draw Nbr Revision Nbr  D4121 D  100  PURCHASING  PURCHASING  Purchasing  PURCHASING  Purchasing  Memo  0.00  Create D2729-1 Jabel and include with W/O Issue P/O: Assembly as per Dwg D4121 Possible Supplier: API Material release note is required	Start Date:	8/28/13	Start Qty: 4.00	*4*		Cust Item I	D:							
Approvals: Process Plan: Date:	•	8/28/13	Req'd Qty: 4.00	*4*		Customer:								
Sequence ID/ Work Center ID Description Run Hours  Set Up/ Run Hours  Tool ID Tool # Plan Accept Reject Reject Insp. Code Qty Qty Number Stamp  Draw Nbr D4121 D  PURCHASING  Purchasing  Memo 0.00  *100* Purchasing  Memo 0.00  Create D2729-1 label and include with W/O issue P/O:	Approvals:	Process Pla	in: <u>ML</u> 5	Date: 13-08-3	O Tooling:	Da	ate:		F			*NF	₹1*	
Work Center ID  Description  Run Hours  Code Qty Qty Number Stamp  Purchasing  PURCHASING  Purchasing  Memo  Create D2729-1 label and include with W/O Issue P/O: 2013 Hose Assembly as per Dwg D4121 Possible Supplier: API Material release note is required		QC:		Date:	_ SPC (Y/N):	Da	ate:			Si	top	*NF	₹2*	
D4121 D  100 0.00  *100* Purchasing  Memo 0.00  Create D2729-1 label and include with W/O Issue P/O: AILS Hose Assembly as per Dwg D4121 Possible Supplier: API Material release note is required		D	•			Tool ID	Tool #			•	-	-	-	
Purchasing  Memo O.00  Purchasing  Memo O.00  Create D2729-1 label and include with W/O Issue P/O: Hose Assembly as per Dwg D4121 Possible Supplier: API Material release note is required	Draw Nbr	Rev	ision Nbr										,	
Purchasing  Memo  Create D2729-1 label and include with W/O lssue P/O: 21151 Hose Assembly as per Dwg D4121 Possible Supplier: API Material release note is required	D4121	D												
Purchasing  Create D2729-1 label and include with W/O lssue P/O:  Hose Assembly as per Dwg D4121  Possible Supplier: API  Material release note is required	100				0.00				(	0				
Purchasing  Create D2729-1 label and include with W/O lssue P/O:  Hose Assembly as per Dwg D4121  Possible Supplier: API  Material release note is required	*100*		PURCHASING						$\mathbb{C}$	(13/	180V	30		
Issue P/O: 215 Hose Assembly as per Dwg D4121 Possible Supplier: API Material release note is required	Purchasing		Memo		0.00								$ abla \mathcal{I}$	
110 Receive & Inspect for Damage & Mat'l Certs 0.00	Purchasing		Issue P/O: _ Hose Assen Possible Su	ably as per Dwg D4121 pplier: API	h W/O									
	110		Receive & Inspect for D	amage & Mat'l Certs	0.00						/ /			
*110* Packaging  Mome $0.00$					0.00					13/	19/2	27	(4/_	_
Packaging Memo 0.00  Packaging Ensure Material Release Note is attached				erial Release Note is attac					/		/			

DQA: Date: **WORK ORDER NON-CONFORMANCE / UPDATE** NCR: Yes / No QA Closed: Date: **AGAINST DEPARTMENT/PROCESS DISPOSITION** Work Order: Skid-tube Crosstube Water Jet Engineering Rework Small Fab Prod. Eng. Coor. Quality Machining Part No. Scrap Thermoforming Finishing Rec/Store/Packaging Other Use-as-is NCR No. Work Order Update Large Fab Composite Supplier Description of work order update Initial Action Sign & Root Chief Eng Date Verification QC Inspector Date Step Qtv or Non-conformance Description Cause Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved **FAULT CATEGORY Landing Gear** General Bending Bend Grain Ovalized Pressure/Forced BOM/Route Temperature/Cure Over/Under tolerance Centre Not Concentric to O/S Hardware Broken/Damaged Part Incorrect Weld Cracks Inspection Incomplete Crushed/Crimped Wrong Stock Pulled Instructions Incomplete/Unclear Part Lost/Missing Burrs Cuffs Maintenance Part Moved Contamination Mislabeled Positioned Wrong **Heat Treat** Countersink

Misread

**Out of Calibration** 

Out of Sequence

**Outside Dimensions** 

Offset

Other

Power Loss/Surge

**Turning Sequence** 

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

**Torque Waves in Extrusion** 

**Cut Too Short** 

**Drill Holes** 

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 106236

## \*106236\*

Page 2

August-28-13	12:49:43 PM			1 1 78	)/.)()						8
Item ID: Revision ID: Item Name:	D4121-3 HOSE ASSY			Accept	*N900	040	100	<b>)*</b> s	etup Sta		S1* S2*
Start Date: Required Date Reference:	8/28/13 :: 8/28/13	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*		Cust Item I Customer:	ID:			·		
Approvals:		n:	Date:	Tooling: SPC (Y/N):		ate:		R	tun Sta Sto	I./	R1* R2*
Sequence ID/ Work Center I 120 *120 *CONTROL  *CONTROL	T <b>D</b>	Operation Description QC6- Inspect dimensions Memo	to drawing	Set Up/ Run Hours  0.00  DAS  27  0.00  9-8	7	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
*130 *130* Small Fab Small Fab			9-1 as per Dwg D4121 -045 Heat Shrink <b>2600</b> 9	0.00				<u> </u>			FF 13-09-3
140 *140* QC Quality Control		QC5- Inspect part comple	eteness to step on W/O	0.00 DAS 27 0.00 9-89	S. C.			4	***************************************		

										DQA:	Date			
NCR: Y	es / No				WORK ORDER NON-	COI	NFORN	AANCE / UP	DATE	QA Closed:	 Date:	:		
Work Orde	···				DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No.  NCR No.					Rework Skid-tube Crosstube Machining Small Fab Use-as-is Thermoforming Finishing Composite				-1	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other			
Root				Descri	ption of work order update		Initial	Act	tion	Sign &				
Cause	Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	QC Inspector		
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved														
								GORY						
Landin	g Gear			_	General	_	-			-		<b>-</b> 1		
-	Bending Centre Not Concentric to O/S Cracks Broken/Damaged Burrs Cuffs Contamination Heat Treat Cut Too Short						Instructi Mainte Mislabe Misread	on Incomplete ions Incomplete/i nance led	Unclear	Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned V Power Loss/	ct sissing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other		
1	Ripples in	Bend		1	Drill Holes	1	Offset							

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

Work	Order	ID	106236	
VV UTK	Oraer	IJ	100230	,

## \*106236\*

Page 3

August-28-13 12:49:43 PM Accept Item ID: D4121-3 \*N900040100\* Setup Start **Revision ID: HOSE ASSY Item Name:** \*4\* 8/28/13 Start Qty: 4.00 **Start Date: Cust Item ID:** Required Date: 8/28/13 Req'd Qty: 4.00 **Customer:** Reference: Start Run Date: \_\_\_\_\_ Process Plan: **Tooling:** Approvals: Date: Stop Date: SPC (Y/N): Date: Tool ID Tool # Plan Reject Sequence ID/ **Operation** Set Up/ Accept Reject Insp. **Work Center ID** Description Code Qty Qty Number Stamp **Run Hours** Identify as per dwg & Stock Location 1 0.00 150 \*150\* Packaging Memo Packaging 160 QC21- Final Inspection - Work Order Release 0.00 \*160\* 0.00 Memo Quality Control

											DQA:	Date:	4	
NCR:	Yes	/ No				<b>WORK ORDER NON-</b>	CO	NFORM	AANCE / UP	DATE				
											QA Closed:	Date:		
Work Orde	or.					DISPOSITION				AGAINST DI	PARTMENT	/PROCESS		
WORK Orde	٠	· · ·	-			Rework	ework Skid-tube Crosstube				1	Water Jet 🗍		
Part I	No.					I				Small Fab	l Pro	d. Eng. Coor.	Engineering Quality	
Part No.					Use-as-is	1		noforming	Finishing		re/Packaging	Other		
NCR No.				Work Order Update	1	1	Large Fab	Composite	1 1100,3101	Supplier				
	•						_	1			_1		,	
Root					Descri	ption of work order update	Π	Initial	Ac	tion	Sign &			
Cause		Date	Date Step Qty or Non-conformance						Desc	ription	Date	Verification	QC Inspector	
Doc/Data														
Equip/Tooling														
Operator				1			1							
Material														
Setup	Щ						]							
Other	Ш													
Process	Ш		ł											
Supplier	Ш		ĺ				1							
Training														
Unapproved														
		·					AU	LT CATE	GORY					
Landi	ng G	ì				General		7		_	7		1	
		Bending				Bend	$\perp$	Grain		ļ	Ovalized		Pressure/Forced	
	Ш	Centre N	ot Conce	ntric to C	)/s	BOM/Route	<u> </u>	Hardwa		<u> </u>	Over/Under	<del></del>	Temperature/Cure	
		Cracks				Broken/Damaged	_	<b>-</b> 1 '	on Incomplete	_	Part Incorred		Weld	
	Crushed/Crimped Burrs				4	<u> </u>	-	ions Incomplete/	'Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled		
		Cuffs				Contamination	$\vdash$	Mainte			Part Moved			
l	Щ	Heat Trea			<u> </u>	Countersink		Mislabe		<u> </u>	Positioned V	_	1	
	$\vdash$	Inspectio	-	Tube	<u> </u>	Cut Too Short	Ŀ	Misread	I	L	Power Loss/	Surge	Other	
1	Ripples in Bend					Drill Holes	1	Offset						

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

Work Order ID: 106236

\*106236\*

Parent Item:

D4121-3

\*D4121-3\*

Parent Item Name: HOSE ASSY

**Start Date: 8/28/13** 

Required Date: 8/28/13

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP REV:A NEW ISSUE 10-10-05 JLM VERIFIED BY:DD

REV:B AS PER ECN 11-598 11-06-05 JLM VERF:DD

IPP IPP REV:C

11.11.16 AS PER DWG REV.D DD VERF:EC

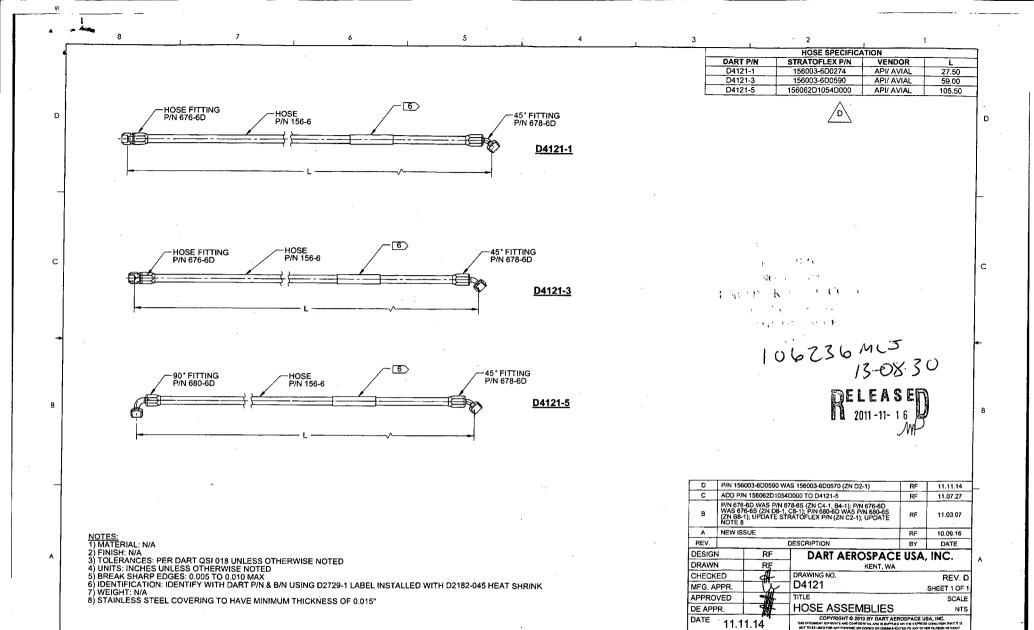
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156003-6D0590		Purchased	No			110	Each	0.0000	1	4	2		
*156003-6	3D0590*	r							**		1/0/3/	5/27	(4)
Hose Assembly		<b>M</b> C	No			130	Each	0.0000		4	77		
D2182-045	4 F 4	Manufactured	No	206		130	Eacii	0.0000	**	4			
*D2182-04	45^			B 2600	J						tt.	13-0	9-30

NCR:	Yes	/	No
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DQA: \_\_\_\_ Date: \_\_\_\_

NCR: Y	'es	/ No				WORK O	ORDER NON-C	CON	IFORN	MANCE / UP	DATE			_			
***			·										QA Closed:	Date	9:		_
Nork Orde	er:					DIS	SPOSITION	i	AGAINST DEPARTMENT/PROCESS								
Part N	•	Rework Scrap							Skid-tube Machining	Crosstub Small Fa	-	Water Jet Prod. Eng. Coor.			ngineering Quality		
NCR N	lo.					Use-as-is Work Order Update				oforming Large Fab	Finishir Composit	~ <u> </u>	Rec/Stoi	re/Packaging Supplier		Other	
Root					Desc	ription of work	order update	In	nitial	Ad	tion		Sign &				
Cause		Date	Step	Qty		or Non-confo	rmance	Chi	ef Eng	Desc	cription		Date	Verification		QC Inspector	
oc/Data																	$\Box$
quip/Tooling																	
perator													, ,				
1aterial																	
etup								Ì									
ther																	
rocess																	
upplier																	
raining																	
napproved																	
			-				F	AULT	CATE	GORY							
Landi	ng (	Gear				Ger	neral						_	_	_		İ
		Bending			L	Bend		LJ'	Grain				Ovalized	L	Pre	essure/Forced	
		Centre No	t Concer	tric to (	o/s	BOM/Route	!	L	Hardwa	re		L	Over/Under	tolerance	Ter	mperature/Cure	
		Cracks			L	Broken/Dan	naged		Inspecti	on Incomplete		L	Part Incorred	ct _	We	eld	1
		Crushed/0	Crimped		L	Burrs			Instructi	ons Incomplete,	/Unclear		Part Lost/Mi	ssing	Wr	ong Stock Pulled	1
		Cuffs			L	Contamination	on	Ш	Mainte	nance			Part Moved				
		Heat Trea	t			Countersink			Mislabe	led			Positioned V	Vrong _			
		Inspection	Strip in	Tube		Cut Too Short	t		Misread				Power Loss/	Surge	Oth	ner	
		Ripples in	Bend			Drill Holes		∐ <sup>°</sup>	Offset								
		Torque W	aves in E	xtrusior	ո [	Drawing			Out of C	alibration							
	Turning Sequence Finish						Out of S	equence									
	Wave/Twist in Tube Folio					$\Box$	Outside	Dimensions				·					

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API 2461 46th Ave. LACHINE QC H8T 3C9 CANADA Page 1 of 1 09/26/2013,14:48:44

# Pack List



Shipping Address	Information	
DART AEROSPACE LTD.	Document Number	81109914
1270 ABERDEEN STREET	Document Date	09/26/2013
HAWKESBURY ON K6A 1K7 CANADA	Purchase Order No.	PO21151
CANADA	Purchase Order Date	09/18/2013
Forwarding Agent's Address	Sales Order Number	993803
orwarding Agent's Address	Sales Order Date	09/18/2013
	Customer Number	6100481
	Shipping Conditions	Standard OtherGround
	Incoterms	
	Cust Ship Acct	
Shipping Instructions	Delivery Date	09/26/2013
Detailed Shipping Instructions at the end of the document	Bill of Lading	
Packing Instructions	Total Volume	0.012 IN3
Detailed Packing Instructions at the end of the document	Carrier	PUROLATOR COURIER
end of the document		

Item	Material	Material Description		Quantity	Weight	Batch Num
10	156003-6D- 0274	156-6 HOSE ASSEMBLY				
20	156003-6D- 0590	4500199603) 156-6 HOSE ASSEMBLY	4 EA	O LB		
30	Batches 0003707942 (PO 156003-6D- 0130	.4500199603) 156-6 HOSE ASSEMBLY	4 EA	O LB		
	Batches 0003708079 (PO	4500199625)	4 EA	O LB		

## **Shipping and Packing Instructions**

	*	*CERTIFICATE OF	F CONFORMANCE**
hereby certify that th eaircraft part	s described hered	on were acquired from a	source of supply that is consistent with the conditions under which Transport Canada distributor approval number
77-98 has been granted.	$\mathcal{L}$		
	<i>-</i> /\	7	

Authorized Signature



### CERTIFICATE OF CONFORMANCE

We hereby certify that all of the above parts, including all materials, have been manufactured, tested, inspected and packed in conformance with all of the requirements of your order and the applicable government specifications & standards. Records of tests, inspection and certification indicating the above conformance are on file at Aerospace Productions International and are available for your examination.

It is further certified that any hose assemblies marked with a TSO, parts and/or materials reflected therein were produced under Federal Aviation Administration approved manufacturing quality control systems/methods as set forth in the FAA issued technical standard order authorized (TSOA) issued to Stratoflex and (b) such parts and/or materials are new and are in condition for safe operation.

If applicable, satisfactory compliance with the conditions are test required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

Per API